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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/657,429	09/08/2003	Mami Miyasaka	NECF 17.638B	9031
26304 7	590 03/03/2004		EXAMINER	
KATTEN MUCHIN ZAVIS ROSENMAN 575 MADISON AVENUE			QUASH, ANTHONY G	
NEW YORK, NY 10022-2585			ART UNIT	PAPER NUMBER
			2881	-

DATE MAILED: 03/03/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

			W.
	Application No.	Applicant(s)	
	10/657,429	MIYASAKA, MAMI	
Office Action Summary	Examiner	Art Unit	
	Anthony Quash	2881	
The MAILING DATE of this communication Period for Reply	appears on the cover sheet v	vith the correspondence addr	'ess
A SHORTENED STATUTORY PERIOD FOR RE THE MAILING DATE OF THIS COMMUNICATIO - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a - If NO period for reply is specified above, the maximum statutory per - Failure to reply within the set or extended period for reply will, by state of the second part of the maximum statutory per - Any reply received by the Office later than three months after the maximum days after the maximum statutory.	N. R. 1.136(a). In no event, however, may a reply within the statutory minimum of the iod will apply and will expire SIX (6) MC atute, cause the application to become A	reply be timely filed irty (30) days will be considered timely. NTHS from the mailing date of this com	munication.
Status			
1) Responsive to communication(s) filed on _	•		
,	his action is non-final.		
3) Since this application is in condition for allocation accordance with the practice under			nerits is
Disposition of Claims			
4) Claim(s) 12 is/are pending in the application 4a) Of the above claim(s) is/are without 5) Claim(s) is/are allowed. 6) Claim(s) 12 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and	drawn from consideration.		
Application Papers			
9)☑ The specification is objected to by the Exam 10)☑ The drawing(s) filed on 08 September 2003 Applicant may not request that any objection to Replacement drawing sheet(s) including the cor 11)☐ The oath or declaration is objected to by the	is/are: a)⊠ accepted or b) the drawing(s) be held in abeya rection is required if the drawin	ance. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFF	R 1.121(d).
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of: 1. Certified copies of the priority docum 2. Certified copies of the priority docum 3. Copies of the certified copies of the papplication from the International But * See the attached detailed Office action for a	ents have been received. ents have been received in priority documents have been reau (PCT Rule 17.2(a)).	Application No. <u>09/641,125</u> . n received in this National S	tage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB. Paper No(s)/Mail Date 9/8/03.	Paper No	r Summary (PTO-413) o(s)/Mail Date Informal Patent Application (PTO- 	152)

Specification

On page 1 line 8, the application number to the additional application of which applicant claims that the present application is a divisional of, needs to be filled in with the appropriate application number.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 12 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hirayanagi [289]. As per claim 1, Hirayanagi [289] teaches an electron gun (30), mask stage (4), a main mask (G1) having a plurality of first masks and one or more compensation masks including one or more non-defective second defined masks (G2) each having a pattern configuration, a wafer stage (37) on which a wafer (38) is provided with a resist film, first and second electron optical systems (see fig. 2), and a control device for controlling the deflections of the beam. See Hirayanagi [289] abstract, figs. 1-8, col. 4 lines 38-46, col. 5 lines 10-25, 60-68, col. 6 lines 5-25, col. 7 lines 10-35, col. 8 lines 30-67, col. 9 lines 15-25, col. 10 lines 1-30, and col. 15 lines 55-67. However, Hirayanagi [289] does not explicitly teach a storage device for storing

addresses of a defective among the first defined masks and the address of a second defined mask corresponding to the first defined mask. Hirayanagi [289] does however; teach a master controller that contains memory. See Hirayanagi [289] col. 9 lines 15-25. Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to use the memory of the master controller to for storing addresses of a defective among the first defined masks and the address of a second defined mask corresponding to the first defined mask in order to aid in the determination of the deflection and stage movement necessary in or prevent the transferring of defects onto the wafer.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. U.S. Patent No. 6,090,527 to Yamazaki et al is considered pertinent due to its discussion on an electron beam exposure mask and method of manufacturing the same and electron beam exposure method.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anthony Quash whose telephone number is (571)-272-2480. The examiner can normally be reached on M-F from 9 a.m. to 5 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John R. Lee, can be reached on (571)-272-2477. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the

Art Unit: 2881

receptionist whose telephone number is (703)-308-0956 or to the official fax number (703)-872-9306.

A. Quash 2/23/04

SUPERVIOUS PATENT EXAMINER
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